

FEE TRANSMITTAL

Electronic Version v08

Stylesheet Version v08.0

Title of Invention	PRE-COOLER FOR REDUCING CRYOGEN CONSUMPTION																					
Application Number : Date : First Named Applicant: Ravikumar Kudaravalli Attorney Docket Number: GEMS0204PA																						
TOTAL FEE AUTHORIZED \$ 790 Patent fees are subject to annual revisions on or about October 1st of each year.																						
Filing as large entity																						
BASIC FILING FEE																						
<table border="1"><tr><td>Fee Description</td><td>Fee Code</td><td>Amount \$</td><td>Fee Paid \$</td></tr><tr><td>Utility Filing Fee</td><td>1001</td><td>750</td><td>750</td></tr><tr><td colspan="4">Subtotal For Basic Filing Fees: \$ 750</td></tr></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Utility Filing Fee	1001	750	750	Subtotal For Basic Filing Fees: \$ 750										
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Subtotal For Basic Filing Fees: \$ 750																						
EXTRA CLAIM FEES																						
<table border="1"><tr><td>Fee Description</td><td>Extra Claim</td><td>Fee Code</td><td>Amount \$</td><td>Fee Paid \$</td></tr><tr><td>Total Claims : 20</td><td>0</td><td>1202</td><td>18</td><td>0</td></tr><tr><td>Independent Claims : 3</td><td>0</td><td>1201</td><td>84</td><td>0</td></tr><tr><td colspan="4">Subtotal For Extra Claims Fees: \$ 0</td></tr></table>				Fee Description	Extra Claim	Fee Code	Amount \$	Fee Paid \$	Total Claims : 20	0	1202	18	0	Independent Claims : 3	0	1201	84	0	Subtotal For Extra Claims Fees: \$ 0			
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ASSIGNMENT FEES																						
<table border="1"><tr><td>Fee Description</td><td>Property Number</td><td>Quantity</td><td>Fee Code</td><td>Amount \$</td><td>Fee Paid \$</td></tr><tr><td>Recording Each Patent Assignment Per Property Fee</td><td>00000000</td><td>1</td><td>8021</td><td>40</td><td>40</td></tr><tr><td colspan="4">Subtotal For Additional Fees: \$40</td></tr></table>				Fee Description	Property Number	Quantity	Fee Code	Amount \$	Fee Paid \$	Recording Each Patent Assignment Per Property Fee	00000000	1	8021	40	40	Subtotal For Additional Fees: \$40						
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Recording Each Patent Assignment Per Property Fee	00000000	1	8021	40	40																	
Subtotal For Additional Fees: \$40																						
AUTHORIZED BILLING INFORMATION																						
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:																						
Deposit account number:	070845																					
Access Code	*****																					
Deposit name:	GTC																					
Deposit authorized name:	Thomas E. Donohue																					
Signature:	Thomas E. Donohue																					

Date (YYYYMMDD):

2003-07-03

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.